

Case No. 10767-8

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "Method and System for Validating Network Transformation Instructions," the specification of which:

- ☒ is attached hereto.
☐ was filed on _____ as Application Serial No. _____.
☐ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)
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☐ Yes ☐ No

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)	(Filing Date)
60/251,811	December 7, 2000

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)	(Filing Date)	(Status-patented, pending, abandoned)
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's Signature
Full name of sole or first inventor
Residence
Citizenship
Post Office Address

David A. Maltz ✓ Date: 1/25/01 ✓
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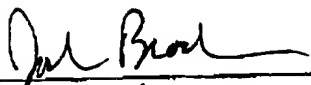
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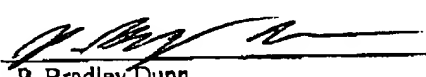
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Case No. 10767-8
Page 2 of 2

Inventor's Signature
Full name of second joint inventor, if any
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 Date: 1/25/01 ✓
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Inventor's Signature
Full name of third joint inventor
Residence
Citizenship
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 Date: 1/25/01 ✓
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FOOTNOTES

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P.17

Inventor(s):

Maltz, Broch, and Dunn

Title:

"Method and System for Validating Network Transformation Instructions"**POWER OF ATTORNEY**

The specification of the above-identified patent application:



is attached hereto

was filed on _____ as application Serial No. _____

I hereby revoke all previously granted powers of attorney in the above-identified patent application and appoint the following attorneys to prosecute said patent application and to transact all business in the Patent and Trademark Office connected therewith:

William A. Webb (28,277)

Joseph F. Hetz (41,070)

Liza K. Toth (31,065)

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The undersigned hereby authorizes the U.S. attorneys named herein to accept and follow instructions from Liza K. Toth as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by the undersigned.

David A. Maltz ✓
David A. Maltz

Date: 1/25/01 ✓

Joshua G. Broch ✓
Joshua G. Broch

Date: 1/25/01 ✓

P. Bradley Dunn ✓
P. Bradley Dunn

Date: 1/25/01 ✓

T O S E T O E B T A C O

APPENDIX I

% Creating a network topology object

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5      network_topo = topo('init');          % graphically place nodes on screen
      addlink(network_topo);                % graphically connect up nodes
      labelnames(network_topo);             % graphically label nodes

      save network_topo;                    % save network_topo for future use
10

      % Top level procedure to compute paths that optimize use of network capacity
      % inputs:
      %     D = traffic demand matrix
15      %     (retrieved from predictions stored in TMS Statistics Repository)
      %     network_topo = topology object defining the network topology
      %     P = network policy information
      %     (matrix of reserved capacity, which indicates links whose use
      %     is administratively prohibited or which should not be
20      %     completely allocated)
      % outputs:
      %     allocated_paths() = list of paths to set up, to TMS signalling system

25      C = capacity(network_topo);          % retrieve network topology information
      C = C - P;

      saved_C = [];
      saved_SLA = [];
30      assigned_paths = [];
      round = 0;

      [SLA, S] = create_ordered_sla(D);

35      F = SLA(1)

      for F = SLA',
          round = round + 1;
          saved_C{round} = C;
40          saved_SLA{round} = F;

          F % display the flow

          W = calc_weights('calcweight2',F,C);
45          [dist, P] = floyd(W);

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